

EPSHTEYN, R.B.; FARBER, E.L.; GUTENEVA, L.Z.; SHMUYLOVICH, D.S.

Vanillin from sulfate liquors. Bum.prom. 37 no.1:20 Ja '62.
(MIRA 15:1)

1. Ukrainskiy nauchno-issledovatel'skiy institut pishchevoy
promyshlennosti.

(Woodpulp)
(Vanillin)

EPSHTEYN, R.K.

OVECHKIS, Ye.S., kandidat tekhnicheskikh nauk; EPSHTEYN, R.K., inzhener.

Laboratory method of evaluating screw and welt properties of bottom
stock leather. Leg.prom. 14 no.4:19-21 Ap '54. (MLRA 7:6)
(Leather)

EPSHTBYN, R.K.

OVECHKIN, Ye.S., kandidat tekhnicheskikh nauk; EPSHTBYN, R.K., inzhener.

Producing insole leather of a specified uniform thickness. Leg.prom.
14 no.11:36-38 N '54.

(MIRA 7:12)

(Boots and shoes) (Leather)

OVECHKIS, Ye.S.,kand.tekhn.nauk; MPSHTAYN, R.K.,inzh.

Wear resistance of sole leathers and means for increasing it.
Leg.prom. 18 no.11:21-24 N '58. (MIRA 11:12)
(Leather--Testing)

OVECHKIS, Ye.S.; EPSHTEYN, R.K.; VASILETS, T.A.

Tanning losses in the manufacture of stiff leather. Kozh.-obuv.
prom. 3 no.2:19-21 F '61. (MIRA 14;4)
(Tanning)

EPSHTEYN, R.M.

AID P - 1511

Subject : USSR/Electricity

Card 1/1 Pub. 26 - 7/36

Author : Epshteyn, R.M., Eng.

Title : Decreasing the time of action of water wheel governors

Periodical : Elek. sta., 3, 22-25, Mr 1955

Abstract : The author studies operational conditions of power systems having steam- and hydroelectric power stations with a relatively high percentage of the latter type. This creates heavy conditons for the performance of the steam power stations which have to absorb rapid load changes. The author studies methods of improving these conditions to make it possible for hydroelectric power stations to take load increases under automatic control. He gives technical details of such an arrangement developed by the Leningrad Metal Works im. Stalin (LMZ) using a speed governor of the UK-type. 5 drawings.

Institution: None

Submitted : No date

8(6), 14(6)

SOV/112-59-5-8714

Translation from: Referativnyy zhurnal. Elektrotehnika, 1959, Nr 5, p 44 (USSR)

AUTHOR: Epshteyn, R. M.

TITLE: Testing, Remodeling, and Aligning the Control System of a Hydroelectric Generating Unit

PERIODICAL: Naladochnyye i eksperim. raboty ORGRES, Nr 15, 1958, pp 229-236

ABSTRACT: The experience of ORGRES in aligning and remodeling the regulators of hydroturbines has been generalized. The following regulator-design shortcomings are noted: (1) in type MK, K, and L regulators — inaccuracy of the isodromic mechanism, belt drive, and a large dead band of the pendulum; (2) in the type UK regulator — a too complicated hydro interlocking system, impossibility of adjusting the high-speed feature; (3) in the type KE regulator — poor layout of mechanisms that hampers the adjusting operations, unlucky design of some assemblies; (4) in type RK, RKO, and R regulators — hydro-starting mechanism instability. ORGRES work in remodeling the regulators at hydroelectric stations is described. Recommendations on alignment are offered.

A.A.B.

Card 1/1

EPSHTEYN, R.M., inzh.

Comparison of the structural schematics of hydraulic turbine
control systems. Elek. sta. 35 no. 4:44-49 Ap '64.
(MIRA 17:7)

SHAPIRO, Ye.A.; ZHUKOVSKIY, Ye.S.; MUSTAFABEKOVA, A.A.; MIKHAYLOV, N.D.; KOBILYANSKIY, A.N.; KONONYKHIN, A.G.; EPISHTEYN, R.R.; KARPINSKIY, V.F.; DAVYDOVA, R.T.; TROITSKIY, V.I., red.; GOR'KOVA, A.A., vedushchiy red.; MEDOTOVA, I.G., tekhn.red.

[Establishing standards for material consumption and stocks in the petroleum industry] Normirovanie raskhoda i proizvodstvennykh zapasov osnovnykh materialov v neftianoi promyshlennosti. Moskva, Gos.sauchno-tekhn.izd-vo neft. i gorno-toplivnoi lit-ry, 1959.
252 p.

(MIRA 12:12)

(Petroleum industry--Standards)

RUBACHEV, G.N.; EPSHTEYN, R.R.; GUSMAN, F.T.

Means of lowering the costs of petroleum products. Khim.i tekhn.
topl.i mazel 5 no.11:34-42 N '60. (MIRA 13:11)

1. Tsentral'nyy ekonomicheskiy institut Gosplana RSFSR.
(Petroleum products)

EPSHTEYN, R. SH.

Cand Med Sci

Dissertation: "Medical-Occupational Examination of Patients with an
Emphysema of the Lungs." 4/4/50

Central Inst for Advancement of Physicians.

SO Vecheryaya Moskva
Sum 71

EPSHTEYN, R. Sh. Cand Med Sci -- (diss) "On the Problem of
the Diagnosis of ~~Rheumatic~~ Rheumatic Carditis." Astrakhan', 1957.
15 pp 20 cm. (Gor'kiy State Medical Inst im S. M. Kirov),
200 copies (KL, 27-57, 111)

- 85 -

EPSTEIN, R. Ya.

Dissertation: "Physicochemical Investigation of the Ternary System $\text{Ni}_3\text{O}-\text{Cr}_2\text{O}_3-\text{ZrO}_2$."
Cand Chem Sci, Leningrad Inst of Mining, Leningrad, 1953. (Referativnyy Zhurnal--Khimiya,
Moscow, No 6, Mar 54)

SO: SUM 243, 19 Oct 1954

SOBOLEV, V.S.; SPITKOVSKAYA, S.M.; ~~ZHURAVL'YEVA, E.Ya.~~

Primary magmatic garnet (almandite) in dacites of the Transcarpathian
region. Min.sbor.no.9:316-319 '55. (MIRA 9:9)

1. L'vovskoye geologicheskoye obshchestvo.
(Transcarpathia--Almandite)

15-57-2-1732

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 2,
p 85 (USSR)

AUTHORS: Epshteyn, R. Ya., Sal'dau, P. Ya.

TITLE: A Physical-Chemical Study of the Ternary System
 $MgO-Cr_2O_3-ZrO_2$ (Fiziko-khimicheskoye issledovaniye
troynoy sistemy $MgO-Cr_2O_3-ZrO_2$)

PERIODICAL: Zap. Leningr. gorn. in-ta, 1956, Vol 32, Nr 3, pp 285-
312

ABSTRACT: The authors emphasize the practical value of the investigated system for the problem of obtaining new highly refractory materials. They present a survey of the literature on earlier studies of the systems $MgO-ZrO_2$, $MgO-Cr_2O_3$, and $ZrO_2-Cr_2O_3$. The system $MgO-Cr_2O_3-ZrO_2$ was studied by thermal, chemical, microscopic, and X-ray methods. The initial materials were commercial magnesium oxide (99.25 percent MgO),

Card 1/5

15-57-2-1732

A Physical-Chemical Study of the Ternary System (Cont.)

chromium oxide (99.91 percent Cr₂O₃), and zirconium dioxide (99.82 percent ZrO₂). The material was mixed in an alcohol solution of bakelite and a three-sided pyramid was made from the tough paste (25 mm to 30 mm high, 7 mm to 8 mm along the edge of the base). After drying, the pyramids were heated at 900° to 1000° (except for samples with a high content of ZrO₂). The material was fused in an oxygen-acetylene flame in a furnace of the Ruff type, modified by P. Ya. Sal'dau and N. A. Zhirnova. The body of the furnace was of alundum with a lining in the working space of a layer of zirconium dioxide. The temperature of fusion was determined by several runs, repeated four or five times or averaged from several (no less than five) nearly identical measurements. An oxidizing flame was obtained by feeding acetylene under a pressure of 1 atm and oxygen at a pressure of 3 atm into the jet. The following equal concentrations were prepared: 1) zirconium oxide with contents from 10 to 90 molecular percent of ZrO₂, through each 10 percent; 2) magnesium oxide with contents of 10 and 20 molecular percent; and

Card 2/5

15-57-2-1732

A Physical-Chemical Study of the Ternary System (Cont.)

3) chromium oxide with contents of 10 and 20 molecular percent. Chemical analyses were made of the fused apex of the pyramids. A diagram was constructed to show the projection of the liquidus surface of the system (see Figure). Two ternary eutectics were recognized: 1) 50 percent (molecular) MgO, 17 percent Cr₂O₃, and 33 percent ZrO₂, melting at 1980°; and 2) 20 percent MgO, 48 percent Cr₂O₃, and 32 percent ZrO₂, melting at 1860°. The composition at the triple conversion point P (the point of double elevation) is 20 percent MgO, 57 percent Cr₂O₃, and 23 percent ZrO₂, with a fusion temperature of 1940°. In the pseudobinary system ZrO₂-MgO-Cr₂O₃, there is a eutectic at 2070° with a composition of 28 percent MgO, 28 percent Cr₂O₃, and 44 percent ZrO₂. X-ray data, that are not quite clear, indicate, provisionally, that very limited ternary solid solutions are superimposed on the diagram, lying along the sides Cr₂O₃-ZrO₂ and Cr₂O₃-MgO. Triple solid solutions were demonstrated in the region next to the double solid solutions in the system MgO-ZrO₂. The limiting concentration of the solid solution

Card 3/5

15-57-2-1732

A Physical-Chemical Study of the Ternary System (Cont.)

is 12 percent Cr₂O₃ and 20 percent MgO. The fusion temperature of mixtures in this region ranges from 2200° to 2600° and such compositions are most interesting to those searching for highly refractory materials.

Card 4/5

15-57-2-1732

A Physical-Chemical Study of the Ternary System (Cont.)

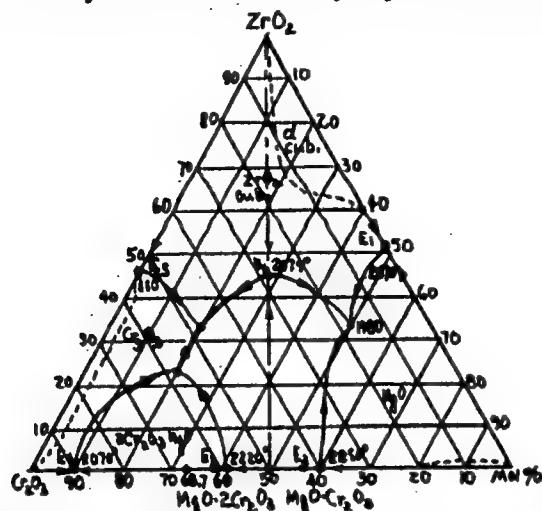


Diagram showing projection of the liquidus surface for
the system MgO-Cr₂O₃-ZrO₂

Card 5/5

V. V. L.

S/081/61/000/019/028/085
B110/B101

AUTHORS: Epshteyn, R. Ya., Ginberg, G. P.

TITLE: Spectrophotometric determination of niobium in carbonatites

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 19, 1961, 114 - 115,
abstract 19D61 (Tr. n.-i. in-ta geol. Arktiki, v. 119,
1961, 84-90)

TEXT: The determination of Nb in carbonatites having a predominant content of calcite, as well as a high P-content, requires decomposition of the sample in acetic acid. The insoluble, Nb-containing residue is dissolved and the spectrophotometric determination performed by using NH_4SCN as agent. 0.4 g of the rock is heated for 1 hr with 20 ml of 25 % acetic acid on a water bath with stirring. The insoluble residue is filtered off, and washed out with 0.5% acetic acid. Filter + residue are incinerated in a quartz crucible, and the ashes are fused with 1.25-2.5 g $\text{Na}_2\text{S}_2\text{O}_7$ or $\text{K}_2\text{S}_2\text{O}_7$. The melt is dissolved in 12.5-25 ml tartaric acid (15 %), the

Card 1/2

Spectrophotometric determination...

S/081/61/000/019/028/085
B110/B101

residue filtered off, and the filtrate is diluted with water to 25 or 50 ml. 5 ml of a 10 % solution of SnCl_2 in conc. HCl and 15 ml of a freshly prepared mixture of 23 % solution of NH_4SCN with acetone (1:2) are added to 5 ml of the resulting solution. The spectrophotometric determination follows after a period of 30 - 40 min by using a spectrophotometer (SF-4) at 405 μm in 1 cm cells, employing the solution of a control test for purposes of comparison. The color is stable for a period of 5 hr. A calibration curve is plotted by using a standard solution of Nb-tartrate + 100 γ/ml of Nb_2O_5 . This analysis takes half the time of that with tannic acid. [Abstracter's note: Complete translation.]

Card 2/2

RUBINOVICH, R.S.; EPSHTEYN, R.Ya.; SOSHAL'SKAYA, O.N.

Spectrochemical determination of platinum, palladium, and
gold in rocks. Zhur. anal. khim. 18 no.2:216-221 F '63.
(MIRA 17-10)

1. Scientific-Research Institute of Geology of the Arctic.

EPSHTEYN, R.Yu.

Searching for pyrite deposits by means of an aerial survey with
sunlight from the side. Razved. 1 okh. nedr 26 no.9:50 S '60.
(MIRA 15:7)

1. Yuzhno-Ural'skoye geologicheskoye upravleniye.
(Pyrites) (Aeronautics in geology)

EPSHteyn, S.

KORNEYCHEVA, T.; *EPSHTEYN, S.*

Revolving credit for industrial enterprises. Den. i kred. 15 no.1:22-
26 Ja '97. (MIRA 10:3)

(Credit)

KORNEYCHEVA, T.; EPSTEIN, G.

Enlarge bank ties with the economy. Den. i kred. 16 no. 3743-48 Mr
'58. (MIRA 1115)
(Leningrad—Banks and banking)

EPSHTEYN, S., inzh.-mayor

Operation of diesel engines in the Antarctic Regions. Mor.
flot 21 no.12:44-45 D '61. (MIRA 14:12)
(Antarctic regions--Marine diesel engines)

EPSHTEYN, S.A.

MASLYAEVSKIY, G.N., inzhener; EPSHTEYN, S.A., inzhener.

Loess-like clayey soil as a filler in concrete and mortar. Stroi.prom. 31
no.6:36-37 Je '53. (MLRA 6:7)

1. YuZhni. (Clay) (Mortar) (Concrete)

Stroitel'nye Raspisi po Gidrotehnike

EPSON 500

✓ Heat-resisting concretes made of portland cement and
loess or loessic sandy clay used as microaggregate. S. A.
Epsitefa. Siroki. From. 33, No. 7, 39-41(1953). - Con-
crete made of cement and crushed firebrick and containing 60
100% of the weight of cement of loess has a very greatly re-
duced temp. deformation on the first heating as compared
with the cement itself. Its strength varies from 410 kg.
sq. cm. for 50% to 290 kg./sq. cm. for 200% loess, decreases
slightly on heating; the min. strength is recorded after heating
to 100°, ranging between 80 and 170 kg./sq. cm. Their
coeff. of expansion is $4.3 \cdot 6.6 \times 10^{-6}$, being close to that of
firebrick. J. D. Gai

EPSTEIN SAMUIL ARONOVICH

EPSTEYN, Samuil Aronovich; KAUFMAN, B.N., otvetstvennyy red.;
ZVORYKINA, L.N., red.izdatel'stva; BEKHER, O.G., tekhn.red.

[Technology of manufacturing precast reinforced concrete]
Tekhnologiya proizvodstva sbornogo zhelezobetona. Moskva,
Ugletekhizdat, 1957. 203 p. (MIRA 10:12)
(Precast concrete)

EPSTEYN, S.

EPSHTEYN, S., inzhener; KATUNIN, A., inzhener.

Using heat-resistant concrete for lining tunnel cars. Stroi.mat 3
no.3:33 Mr '57. (Concrete) (Kilns) (MIRA 10:4)

EP SHTEYN'S

EPSHTEYN, S., inzh.

How to use sawdust. Stroitel' no.12:14 D '57.
(Wood waste) (Building materials)

(MIRK 11:2)

MOROZOV, N., kand. tekhn. nauk.; EPSHTEYN, S., otv. red.

[Thin-walled brick panels] Kirpichnye tonkostennye paneli. Moskva,
Konstruktorskoe biuro po zhelezobetonu, 1958. (MIRA 11:12)
(Building blocks)

PHASE I BOOK EXPLOITATION 1105

Solov'yev, Ivan Yevtikh'yevich and Epshteyn, Samuil Aronovich

Betonnyye raboty (Concrete Work) Kiyev, Gosstroyizdat USSR, 1958. 131 p.
18,000 copies printed.

Ed.: Danilkina, N.V.; Tech. Ed.: Zelenkova, Ye.Ye.

PURPOSE: The book is intended for engineering and technical personnel and workers engaged in concrete making. It may also be of use to students attending building schools.

COVERAGE: The authors present basic principles of concrete making for general concrete work and for the production of precast concrete and reinforced-concrete structures. A description of the properties of concrete mixes, and concrete components is given. No personalities are mentioned. There are 7 Soviet references.

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AVAILABLE: Library of Congress

Card 3/3

GO/aak
2-11-59

EPSHTEYN, Samuil Aronovich; POLTORATSKAYA, E., red.; NEMICHENKO, I.,
tekhn.red.

[Selecting concrete and mortar mixes] Podbor sostavov betona i
rastvora. Kiev, Gos.izd-vo lit-ry po stroit. i arkhit. USSR,
1959. 87 p.
(Concrete) (Mortar)

PONOMARENKO, N. I., inzh.; KALENICHENKO, A. G., inzh. EPSTEIN, S. A., inzh.

Protecting reinforced concrete bin trestles of blast furnaces
from the thermal effects and wear. Prom. stroi. 38 no.8:51-55
'60. (MIRA 13:8)

1. Yuzhnyy nauchno-issledovatel'skiy institut po stroitel'stvu.
(Blast furnaces--Equipment and supplies)
(Corrosion and anticorrosives)

EELOZOVICH, Ivan Mikhaylovich, kand. tekhn. nauk; EPSHTEYN, Samuil
Aronovich, inzh.; KOPELYANSKIY, G.D., kand. tekhn. nauk, retsenzent; PERAKOVA,
Ye.P., red. izd-va; PROZOROVSKAYA, V.L., tekhn. red.;
SABITOV, A., tekhn. red.

[Materials and products for the construction of mines] Materialy
i izdeliya dlja stroitel'stva gornykh predpriatii; spravochnoe
posobie. Moskva, Gosgortekhizdat, 1962. 259 p. (MIRA 16:2)
(Building materials) (Mine buildings)

EFSHTEYN, S.

Precast reinforced concrete should be under a single management.
Na stroi.Ros. no.12:22-24 D '61. (MIRA 16:1)

1. Glavnnyy spetsialist Gosstroya RSFSR.
(Moscow Province—Precast concrete)

EPSHTYN, S.A., inzh.

Heat-resistant foamed slag concrete. Strel. mat. 10 no. 3;
33-34 Mr '64. (MIRA 17:6)

BELOZOVICH, Ivan Mikhaylovich, kand. tekhn.nauk; EPSHTEYN, Samuil
Aronovich, inzh.; KOPELYANSKIY, G.D., kand.tekhn.nauk,
retsenzenter; PETRAKOVA, Ye.P., red.izd-va; PROZOROVSKAYA,
V.L., tekhn. red.; SABITOV, A., tekhn. red.

[Materials and products for constructing mining enterprises;
a handbook] Materialy i izdeliya dlia stroitel'stva gornykh
predpriatii; spravochnoe posobie. Moskva, Gosgortekhizdat,
1962. 259 p. (MIRA 16:5)
(Mining engineering—Equipment and supplies)

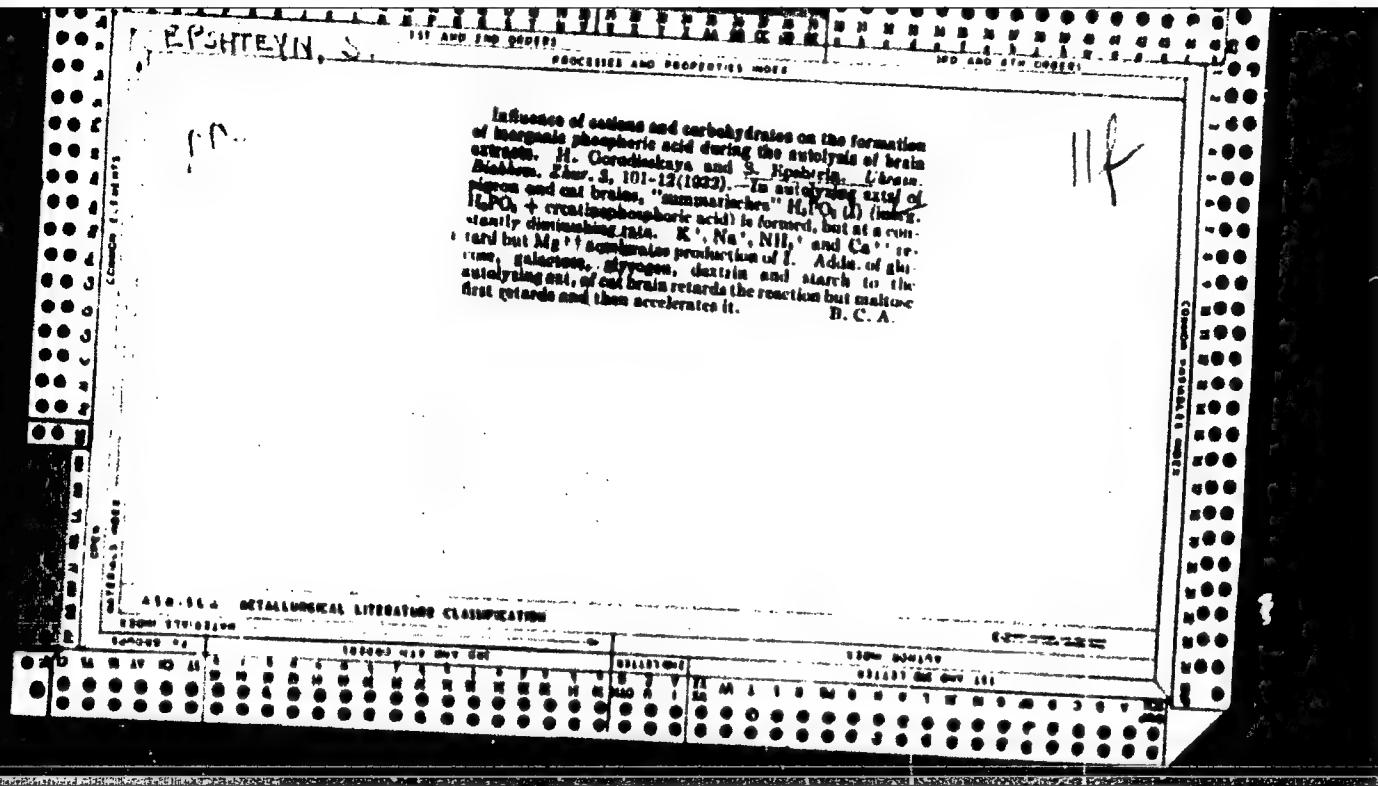
PROCESSED AND PROTECTED IMAGE

OP
H/V

Influence of insulin on the phosphorus exchange in muscle. B. V. Kupatela. *Ber. Ukrass. Biochem. Inst.* 4, 107-14 (1930).—Administration of 5-20 clinical units of insulin (I) to rabbits results after 15 min. in a rise in the hexosemonophosphoric acid (II) and a fall in the creatinephosphoric acid (III) and H_3PO_4 (IV) in muscle. In pigeons, muscle II is unaltered but III and IV are decreased after administration of I.
B. C. A.

434-51A METALLURGICAL LITERATURE CLASSIFICATION

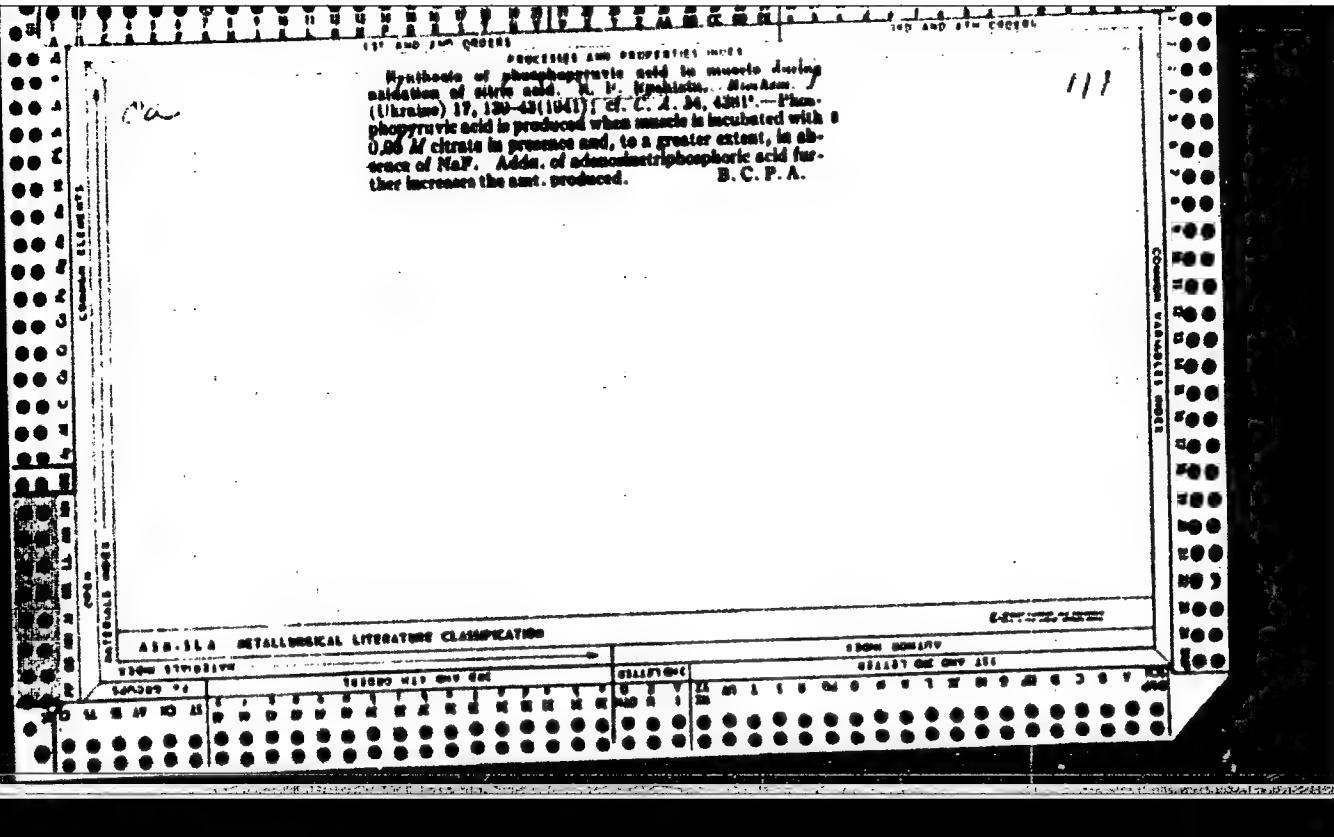
6-2-1972-1000



11F
Data on the vitamin C content of the organs of hibernating animals. A. N. Kostin. Biochem. J. (Ukraine) 12, 543-9 (in Russian; 630) [in English, 630] (1958). -- The reduced ascorbic acid content of the liver, spleen and adrenals of marmots increases gradually during hibernation to about 200% above the values in the waking state. There is no rise in the vitamin C content of the brain.
R. Levine

AIR 100 - METALLURGICAL LITERATURE CLASSIFICATION

The content of labile phosphorus compounds in the brains of rats. S. F. Erdmann. Bull. Soc. Med. expd. U. S. S. R. 7, 94-7 (1939) (in German).—The contents of easily hydrolyzable H_3PO_4 phosphorus (7 min. at 100° with $N HCl$) and creatinephosphoric acid P in the brains of rats under chloral hydrate narcosis are 10.3-22.7 and 3.1-8.7 mg. %, resp. Under nemalene narcosis the values are 14.2-16.2 and 8.0-7.4 mg. %, resp., and under urethane (1) narcosis 9.6-14.1 and 3.8-5.0 mg. %, resp. Under I narcosis the 1% fraction of the P compds. yielded 2.3-4.3 mg. % of amino N from the deaminase splitting of adenylic acid and 10.7-18.8 mg. % of H_3PO_4 phosphorus. The molar P/N ratio was 1.9-2.1. S. A. K.



Oxidizing synthesis of phosphopyruvate acid in muscle tissue. D. I. Perlman and N. F. Lipshitz. *J. Biol. Chem.* 184, 4301-4310 (1950) (English summary). (C.A. 43(1): 45017; 45018.) Adding 30 ml. of 2% NaClO₄ to 0.8 M lactate and K₃HPO₄ to 20 g. of minced muscle tissue (pigeon) and incubating for 30 min. at 4° under aerobic conditions caused the formation of 13 mg. % of P₂S phosphopyruvate acid (I), with a corresponding decrease of lactate. I (12.10 mg. %) was also formed on oxidation of succinic, maleic, fumaric, malic, citric, and pyruvic acids; aldehydes triphosphate acid interrelated the synthesis. NaCl did not interfere; thus the possibility of the formation of I from glycogen is excluded. This is an important link in the synthesis of glycogen. HORIS GUTOFF

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APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041213C

CA

11-G

Aerobic elimination of ammonia in the tissues of the animal organism. B. P. Epstein (Acad. Sci., Kiev). Ukrains. Biokhim. Zhurn. 26, 128-47 (in Russian), 147-9. (1948).—The sources of NH₃ in the organisms are amino acids, adenylic acid and its phosphorylation products, but no significant amt. of NH₃ have been found in the tissues or blood. The tissues (0.8 g.), with NaHCO₃ (2.2 ml., 0.5%), and NH₄Cl (0.6 ml., 2.4 mg.), total vol. 3 ml., acid. wt. 0.1 in a Warburg app., was incubated for 60 min., and CCl₄ COOH was added; the control had no NH₄Cl. The gains of amino N against the loss of ammonia N were 162, 212, 163, 155; 130, 191; 80, 64; 63, 47; 124, 36; and 60, 40 μ /g. of tissue. The addition of adenylic acid with MgCl₂ increased the amino N from 80 to 140, 130 to 247, and 16 to 100. The formation of amino N, then, can be considered as an enzymic process. A similar process was observed in tissues of liver, brain, and nerves. The vol. of the N formed did not correspond to 2 vol. of ammonia N lost; special conditions would be required to establish a possible interrelation between amino N of the tissue, NH₃, and the newly formed amino derivs. The elimination of NH₃ is a metabolic process, blocked in the presence of CH₃COOH, or arsenic acid. That the same process (formation of amino N) takes place also in the liver would indicate that here, too, elimination of NH₃ does not directly lead to the synthesis of urea.
B. Gutoff

EPLHTEYN, S.F.

Chemical Abstracts
May 25, 1954
Biological Chemistry

(3)
Investigation of the amides of tissue protein. S. F. Eplhteyn. Inst. Biochem., Acad. Sci. Ukr. S.S.R., Kiev, Ukraine. Biokhim. Zhur. 20, 832-40 (in Russian, 240-1) (1948).—The amide N (I) of muscle, liver, brain, and heart tissue and of muscle juice from rabbits was investigated (1) after hydrolysis with *N* HCl for 2 hrs. at 100°, where the I was split off during the 1st hr. and (2) after digestion with pepsin (II), trypsin (III), and papain (IV). The protein from liver and muscle is higher in I than the protein from brain. The digestion expts. were done with Meyerhof

muscle juice and Edsall-Muralt myosin (V); the I was measured in the original juice, in the deproteinized juice after addn. of CCl_4COOH , and in such juice after addn. of tungstate acid. The muscle juice contains all the I contained in the juice protein. If the V fraction of the protein is digested with II, products are obtained which contain all the I of the V; if digested with IV, the I will be higher in the digestion products than in the undigested material. If III is used in the digestion of V, the digestion products contain much more I than the undigested material. The rates of reaction were measured of the splitting of I from V and from the various digestion products of V. Werner Jacobson

EPSHTEYN, S.F.

Chemical Abstracts
Vol. 48 No. 5
Mar. 10, 1954
Biological Chemistry

Removal of ammonia injected into the animal organism
D. I. Ferdinand and S. F. Epshteyn (Acad. Sci. Ukr. S.S.R.)
Kiev). *Ukrain. Biokhim. Zhur.* 22, 481-90 (1950) (in Ukrainian with Russian summary); cf. *C.A.* 46, 8224g.—
Every 10 min. for an hr., 1-2 ml. portions of 5% NH₄Cl were injected into the ear vein of rabbits to a total of 120-200 mg. N, expressed as ammonia N. Muscle, heart, brain, liver, kidney, and lungs were minced in the cold, and 4% CCl₄COOH was added to the minced preps. to ppt. the protein. Ammonium and glutamine amide N were detd. in the protein-free ext. Ammonia and glutamine contents increase as a result of the introduction of NH₄Cl; hence detoxication of ammonia in different organs occurs by way of glutamine formation. At 2 hrs. and 30 min. after introduction of NH₄Cl into the blood, the ammonia content approaches the normal level. The introduction of glutamic acid leads to increased glutamine concn. in the organs, but ammonia remains unchanged. Introduction of glutamic acid plus NH₄Cl leads to increased concn. of both glutamine and ammonia. It is concluded that glutamine synthesis is widespread in the animal organism and can be considered to be a universal process for removal of ammonia from tissues.
Clayton F. Holloway

EPSTEIN, S.F.

Nitrogen metabolism in experimental nephritis. Ukr.biokhim.shur.
23 no.4:407-417 '51. (MIRA 9:9)

1. Institut biokhimii Akademii nauk URSR, Kiiv.
(NITROGEN METABOLISM) (KIDNEYS--DISEASES)
(GLUTAMIC ACID)

1. EPSTEYN, S. F.
2. USSR (600)
4. Nentskii, Marsel' Vil'gel'movich, 1847-1901
7. Marsel' Vil'gel'movych Nents'kyi (50th anniversary of his death). Ukr. biokhim. zhur. 24, No. 1, 1952.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Unclassified.

The influence of excitation of the central nervous system
on the metabolism of carbohydrates in the muscles. In: J.
S. Cooper (Ed.), *Advances in Sci. Res.*, 4 (3), 353-373.
Biochem. Biophys., 23, 147-157 (1959). Reprinted from *J. Biol.*
(1959). A two-fold stimulation of excitability for one-half reduced the effect. Principle function in the skeletal muscle
was increased, frequency was increased, and the intensity is
decreased. Frequency was increased, and the intensity is
decreased. Pyruvate formation in the skeletal muscle
metabolism was increased. NADH and glutamate were not
metabolized by muscle, but were increased in the blood
clotting in the muscle, but were released in the blood
Acid-sulfatase in the liver muscle was released con-
siderably with an appreciable increase of the acid-sulfatase
fraction. The results would indicate that the stimulation
of the excited nervous system with pyridine or carbazole
does not cause any apparent work for the muscle, but results
in some changes in the processes of metabolism. It could
be expected that the excitation might reflect to a greater
degree on the chem. processes of the muscle in action.

B. Gutoff

EPSHTEIN, S. F.

USSR/Medicine - Biochemistry, Ammonia
Jul 53
Detoxification

"Data Concerning Participation of Muscle Proteins
in the Process of Removal of Ammonia in the
Organism of Animals," D.L. Ferdinand and S.F.
Epshtein, Inst of Biochemistry, Acad Sci SSR

Ukrain Biokhim Zhur, Vol 25, No 3, pp 288-295

Introduction into the blood stream of rabbits
of ammonium chloride by injecting an amount
equivalent to 120-180 mg of nitrogen was
found to be followed by participation of

261T61

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carboxylic groups of muscle proteins in the
elimination of ammonia. On the basis of new
observations concerning amide formation at
the carboxylic groups of proteins of muscles,
it can be concluded that body tissues possess
an extensive capacity for elimination the
toxic action of ammonium ions. This is of
particular interest if consideration is given
to the fact that ammonia formation is an
important step in nitrogen metabolism. On
desamidation of the proteins, mobile glutamine
is formed.

CHAGOVETS', R.V.; YEPSHTMYN, S.F.

Conference on the results and prospects of the study of the biochemistry of
muscle action. Ukr.biokhim.shur. 25 no.4:466-471 '53.
(MLRA 6:11)
(Muscle)

EPSTEIN, S.F.

The Biochemical processes of traumatical changes
in muscles. S. F. Epstein and V. O. Gulyaeva, *Biochim.
Biochem. Ztschr. Zs. Biophys.*, 1957, No. 1, p. 1-10.

2.

EPSHTEYN, S.F.

EPSHTEYN, S.F.

Intensity of glycine and acetate carbon incorporation in the tissue
glycogen and proteins of rats as effected by ionizing radiation
[with summary in English], Ukr.biokhim. zhur. 29 no.3:303-313 '57.
(MLR: 10:9)

1. Institut biokhimii Akademii nauk Ukrainskoy SSR, Kiyev.
(RADIATION--PHYSIOLOGICAL EFFECT) (METABOLISM)

EPSHTEYN, S.P.

~~Data on the role of two-carbon chain compounds (glycolaldehyde, glycine, and acetic acid) in metabolism. Ukr.biokhim.zhur. 30 no.2:281-316 '58~~

(MIRA 11:6)

1. Institut biokhimii AN USSR, KIIV.
(ACETIC ACID)
(GLYCINE)
(GLYCOLALDEHYDE)
(METABOLISM)

EPSTEYN, S.F. (Leningrad)

Conference on the problem "Phosphorylation and function."
Ukr.biokhim. zhur. 30 no.5:794-797 '58
(MIRA 11:12)
(PHOSPHORYLATION--CONGRESSES)

FRIEDMAN, D.L.; EPSTEIN, S.Y.

Data on the dynamic state of adenosinetriphosphoric acid in muscles.
Ukr.biolhim.shur. 31 no.6:815-825 '59. (MIRA 13:5)

I, Institute of Biochemistry of the Academy of Sciences of the
Ukrainian S.S.R., Kiev.
(ADENOSINETRIPHOSPHORIC ACID)

EPSTEYN, S.F.

Intensity of renewal of adenosinetriphosphoric acid (ATP) components in denervated muscles. Ukr.biokhim.shur. 31 no.6:826-833
'59. (MIRA 13:5)

1. Institute of Biochemistry of the Academy of Sciences of the
Ukrainian S.S.R., Kiev.
(ADENOSINETRIPHOSPHORIC ACID)

EPSHTEYN, S.F.; SERKOVA, R.I. [Sierkova, R.I.]; MOTYLOVA, A., studentka

Renewal of the phosphorus of phosphoproteins in functionally different muscles. Ukr. biokhim. zhur. 33 no.6:823-832 '61.

1. Institute of Biochemistry of the Academy of Sciences of the Ukrainian S.S.R. Kiyev.
(PHOSPHOPROTEINS) (MUSCLE)

EPSHTEYN, S.F.

Problems of biochemistry at the Sixth Congress of the Ukrainian
Physiological Society. Ukr. biokhim. zhur. 33 no.6:923-925 '61.
(MIRA 14:12)

(BIOCHEMISTRY CONGRESSES)

EPSHTEYN, S.F. [Epshteyn, S.F.]; KASTRIKINA, T.F. [Kastrykina, T.F.]

Renewal of creatine in animal muscles. Ukr.biokhim.zhur. 34
no.5:727-733 '63. (MIRA 16:4)

1. Institute biokhimi AN UkrSSR, Kiyev.
(CREATINE) (MUSCLE)

EPSHTEYN, S.F.; KASTRYKINA, T.F.

Nucleic acids in functionally different muscles. Ukr. biokhim.
zhur. 36 no. 4:527-535 '64. (MIRA 18:12)

1. Institut biokhimii AN UkrSSR, Kiyev. Submitted March 31,
1964.

KASTRIKINA, T.F. [Kastrykina, T.F.]: EPSHTEYN, S.F.

Phospholipide content in the muscles. Ukr. biokhim. zhur. 37 no.3:
345-351 '65. (MIRA 18:7)

1. Institut biokhimii AN UkrSSR, Kiyev.

EPSTEYN, S. E.

5/16/779/000/04/000/020
8031/2113

TITLE: The Scientific-Technical Conference at Maritime Aviation Institute

PERIODICAL: Vestnaya tsentral'naya nauchno-tekhnicheskaya zhurnaly. 1959, No. 10-12 (1959)

ABSTRACT: In May 1959, the 16th Conference of Professional and Technical Staff took place. At a plenary session the following report was made: "The XII Course of the Communist Party of the Soviet Union on the Further Development of the Work of Socialist Organizations by M. A. Aleksandrov, Director of the Chair Narrator-Lecturer. The Conference of Doctors Technicians - by the work, Candidate of Technical Sciences I.P. Golovchenko. Efforts to produce the First Aircraft Wholly Manufactured in China" by Doctor Candidate of Technical Sciences S.I. Kostylev. The work of the Conference contained in twelve sections. The following paper were read: "Soviet Teacher as Section" by Senior Instructor Contemporary Bourgeois Philology in the S.T. S. I. Seichter. "Discussion on Trade Unions in the Party" by Assistant A.D. Lorchikov. "The Relation of the Housing Problem Under Socialism by Senior Instructor in the Department of Economics V. Salenkov. "The Plan and Computer Victory of Socialism in the USSR" by Senior Instructor V. V. Kuznetsov. "The Problems of Socialist Competition at the XXII Congress of the Trade Unions of the USSR" by Assistant T.N. Dorensheva. "Festivals in the Life and Work of V. I. Lenin" by Doctor Candidate of Philological Sciences G. Pechatnikov. "The Organization and Work of the Departmental Sections of Foreign Language Teachers at Colleges which are not Specifically Language Colleges" by Senior Instructor N.S. Shevelev. "Work on Translation at Higher Technical Colleges" by Assistant V.I. Kryzhanovich. "The Principle of Constructing a Handbook of Technical Texts" by Doctor Candidate for III-rd Course at Aviation Colleges by Assistant A.M. Gurvitch and I.A. Lashkareva.

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The following papers were read: "The Life and Work of V. I. Lenin" by Doctor Candidate of Philological Sciences G. Pechatnikov. "The Organization and Work of the Departmental Sections of Foreign Language Teachers at Colleges which are not Specifically Language Colleges" by Senior Instructor N.S. Shevelev. "Work on Translation at Higher Technical Colleges" by Assistant V.I. Kryzhanovich. "The Principle of Constructing a Handbook of Technical Texts" by Doctor Candidate for III-rd Course at Aviation Colleges by Assistant A.M. Gurvitch and I.A. Lashkareva.

Card 2/13

EPSHTEYN, S.I., insh.

Nitriding high-chromium and austenitic heat-resistant steels,
Trudy IMZ no.9:181-193 '62. (MIRA 16:6)
(Steel, Heat-resistant) (Case hardening)

EPSHTEYN, S.I., inzh.

Long, high-temperature effect on the properties of the nitrided
layer of certain grades of steel. Trudy IMZ no.9:194-206 '62.
(MIRA 16:6)
(Metals, Effect of temperature on) (Case hardening)

ERSHTEYN, S.L.

Measuring parameters of insulating materials in water and
decimeter wave range. Iss. tekh. no. 6149-51 Je '63.
(MIRA 16:8)

(Insulating materials--Testing)

EPSHTEYN, Solomon Lazarovich; KAZARNOVSKIY, D.M., doktor tekhn.
nauk, prof., rezensent; RENNE, V.T., doktor tekhn. nauk,
prof., nauchn. red.; RASKINA, T.D., red.

[Measurement of the characteristics of condensers;
capacitance and tangent of the loss angle] Izmerenie kha-
rakteristik kondensatorov; emkost' i tangens ugla poter'.
Moskva, Energiia, 1965. 234 p. (MIRA 18:8)

EPSHTEIN, SH. I.

PA 16T32

USSR/Medicine - Malaria
Medicine - Epidemiology

Feb 1947

"Experience with Counteracting Malaria by Situation Analysis in World War II," Sh. I. Epstein, Director of the Water Branch of the Institute of Malaria, Medicinal Parasitology, and Helminthology of the Academy of Medical Sciences of the USSR, 8 pp.

"Meditinskaya Parazitologiya" Vol XVI, No 2

Technical discussion with a graph and tables of data to the effect that under pressure of wartime conditions there is an early break in the curve of movement of malarial infections, i.e., they are noticeably lowered.

16T32

EPSHTEYN, Sh.I.

Simple method of administration of male fern extract without capsules.
Pediatr.ia, Moskva No.3:60 May-June 51.
(CML 21:4)

1. Of the Branch of the Institute of Malaria, Medical Parasitology, and
Helminthology for Water Transport (Director—Sh. I. Epshteyn).

KPSHTEIN, Sh.I.; LYCHMANOV, N.O.

Case of Dirofilaria infection in man. Med. paraz. i paraz. bol.
no. 2:175-176 Ap-Je '54. (MLRA 7:8)

1. Iz filiala Instituta malyarii, meditsinskoy parazitologii i
gel'mintologii na vodnom transporte / Astrakhanskogo meditsinskogo
instituta.

(FILARIOIDEA,
*Dirofilaria repens, infect., case report)

БПШЕНЫЙ, Sh.I.

Case of subcutaneous myiasis in man caused by *Gastrophilus larva*.
Med. paraz. i paraz. bol. no. 4:358-359 O-D '54. (MLRA 8:2)

1. Direktor filiala Instituta malyarii meditsinskoy parazitologii i
gel'mintologii na vodnom transporte.
(MYIASIS,
Gastrophilus larvae causing subcutaneous myiasis)

EPSHTEYN, Sh.I.

Epidemiologic characteristics of malaria in water transporta-
tion and methods of controlling it. Sov.med.18 no.3:44-46 Mr
'54. (MLRA 7:2)

1. Iz filiala Instituta malyarii, meditsinskoy parazitologii i
gel'mintologii na vodnom transporte. (Malarial fever)

EPSHTEYN, Sh. I.

EPSHTEYN, Sh. I. (Astrakhan')

Myiasis in man caused by larvae of the warble fly. Med.paraz. i
paraz.boo.supplement to no.1:61 '57.
(MIR 11:1)
(MYIASIS) (WARBLE FLIES)

EPSHTEYN, Sh. I.

EPSHTEYN, Sh.I.

Anamnestic data in the diagnosis and control of diphyllobothriasis
in the delta of the river Volga [with summary in English]. Med.paraz.
i paraz.bol. 26 no.3:297-298 My-Je '57. (MIRA 10:11)

1. Iz parazitologicheskogo otdela basseynovoy sanitarno-epidemiologicheskoy stantsii Nizhne-Volzhskogo vodzdravotdela (glavnyy vrach A.I.Dobrynenko)
(TAPEWORM INFECTIONS, prevention and control,
diphyllobothriasis in Volga delta (Rus))

EPSHTEYN, Sh.I.

Lambliasis control in a kindergarten run by the inland water transporta-
tion trade union in Astrakhan. Med.paraz. i paraz.bol. 27 no.38359
(MIRA 11:7)
My-Je '58

1. Iz parazitologicheskogo otdela basseynovoy sanitarno-epidemiologi-
cheskoy stantsii Nizhne-Volzhskogo vodzdravotdela (glavnnyy vrach
A.I. Dobrynenko).
(ASTRAKHAN--GIARDIASIS)

EPSHTEYN, Sh. I.; YATSENKO, K.S.

Two local cases of epistorrhosis in Astrakhan. Med. paraz. i paraz. bol.
(MIRA 12:2)
27 no. 4; 494-495 Jl-Ag '58.

1. Iz parazitologicheskogo otdela basseynovoy sanitarno-epidemiologicheskoy
stantsii Nizhne-Volzhskogo vodzdravotdela (zav. otdela Sh. I. Epshteyn)
i kliniki oropedevtiki vnutrennikh bolezney Astrakhanskogo gosudarstvennogo
meditsinskogo instituta (zav. klinikoy V.D. Iamev).

(TRICHOSTOMA INFECTIONS, case reports,
epistorrhosis (Rus))

EPSHTSYN, S.I.

Reason for the non-registration method at out-patient polyclinics
in the medical attendance of the population. Zdrav. Ros. Feder.
5 no.10:35-35'0 '61. (MIRA 14:10)

1. Glavnnyy vrach polikliniki No. 3 Rostova-na-Donu.
(CLINICS)

GOLOVIN, G.I.; EPSTEYN, S.L.

P.M.Golubitskii, a Russian innovator in telephony. Vest.svianzi
7 no.10:24-3 of cover 0 '47. (MLRA 9:1)
(Golubitskii, Pavel Mikhailovich, 1845-1911)

EPSHTEYN, S. L.

Epshteyn, S. L. "Pioneers in simultaneous telephoning and telegraphing," [G. G. Ignat'yev and Ye. I. Gvozdev], Sbornik trudov Leningr. elektrotekhn. in-ta svyazi im. Bonch-Bruyevicha, Issue 4, 1949, p. 64-73

SO: U-3566, 15 March 53, (Letopis 'Zhurnal 'nykh Statey, No. 14, 1949).

EPSHTEYN, S. L.

"Russian Inventors of Microphones," Sbornik Trudov LEIS imeni Bonch-Bruyevich,
No 6, 1949.

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041213

REF ID: A612612/SEC/REP/EEC(t) P1b-10/Pt-2/Pl-4 TDU(c) G/62
PHOTO BY
[Redacted]

...samtliche kontrolle i metodam elektricheskikh



...cile describes a wide-range bridge circuit for



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SHELOUMOV, V.V.; EPSHTHYN, S.L.

Studying the effect of the upper limit of coarseness of industrial shale on the semicoking process in "Kiviyli" tunnel ovens. Trudy VNIIPS no.5:189-196 '56. (MLRA 10:5)
(Oil shales)

EPSHTEYN, S.L.; RUBAYLOVA, S.I.

Studying the hardness of various layers of shale in the "Kivioli"
mine by means of the mutual polishing method. Trudy VNIIIPS no.6;
222-226 '58. (MIRA 11:8)
(Oil shales--Testing)

AUTHORS: Aleksandrov, V.S., Epshteyn, S.L. SOV/32-24-9-46/53

TITLE: An Apparatus for Measuring the Thickness of Films
(Pribor dlya izmereniya tolshchiny plenok)

PERIODICAL: Zavodskaya Laboratoriya, 1958, Vol 24, Nr 9, pp 1159-1160 (USSR)

ABSTRACT: The apparatus IMP-3 is described which is used for the continuous control of the thickness of films of organic materials of a density from 0.8 to 3 g/cm³. The measuring range covers thicknesses of films from 3 to 30 μ using the isotope C¹⁴, and from 30 to 300 μ using the isotope Tl²⁰⁴. A diagram of the apparatus is given. It consists of two units, in one of which there are the basic and compensation radiators, two ionization chambers, an electrometric cascade and a system of shuttings for the compensation source. In the other there are the supply sources: an amplifier for alternating current, a detector, a generator with a frequency of 2 kilocycles, and a buffer cascade. Ye.A. Yemel'yanov took part in assembling the apparatus. The tests of the apparatus showed that it meets all demands. It is easily to operate and it operates steadily. If the apparatus is carefully calibrated and if there is a constant thickness of the film the accuracy of this apparatus can be brought to 2-3%. The apparatus IMP-3 is at present produced in small series.

Card 1/2

KACHURIN, Ye.D., inzh., red.; FISHKOV, Ya.L., inzh., red.; ~~KPSHTETIN~~
S.M., inzh., red.; PETROVA, V.V., red., izd-va; OSENKO, L.M.,
tekhn.red.

[Collection No.12-M of unified regional unit valuation sheets
for assembly work, piping and fittings] Sbornik No.12-M edinykh
raionnykh edinichnykh rastsenok na montazhnye raboty, trubo-
provody i armatura. Izd.2., ispr. po novomu masshtabu tsen,
vvedennomu s 1 Ianveria 1961 g. Moskva, Gos.izd-vo lit-ry po
stroit., arkhit. i stroit.materialam. Pt.1. 1960. 583 p.
(MIRA 14:3)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam
stroitel'stva.
(Pipe--Tables, calculations, etc.)

KACHURIN, Yefim Davidovich; FISHKOV, Yakov L'vovich; EPSHTEYN,
Samuil Matveyevich; MALYUGIN, V.I., red.; BRUSHTEYN, A.I.,
red. izd-va; DOBUZHINSKAYA, L.V., tekhn. red.

[Estimates for the construction of industrial enterprises]
Smetny na stroitel'stvo ob"ektor promyshlennyykh predpriiatii.
Pod red. V.I.Maliugina. Moskva, Gos.nauchno-tekhn.izd-vo
lit-ry po chernoi i tsvetnoi metallurgii, 1961. 167 p.
(MIRA 15:2)

(Building—Estimates)

KACHURIN, Ye.D., inzh., red.; MEN'SHIKOV, G.M., inzh., red.; FISHKOV,
Ya.L., inzh., red.; EPSHTEYN, S.M., inzh., red.; SHITOVA, L.N.,
red.izd-va; GARNUKHIN, Ye.K., tekhn.red.

[Collection No.12-M of unified regional estimates for installation
operations of pipes and fittings] Sbornik No.12-M edinykh raion-
nykh edinichnykh rastsenok na montazhnye raboty, truboprovody i
armatura. Moskva, Gos.izd-vo lit-ry po stroit., arhitekt. i stroit.
materialam. Pt.2. [Pipes from stainless steel, nonferrous metals,
and ferrosilid] Truboprovody iz trub nerzhaveiushchikh statei,
tsvetnykh metallov i ferrosilida. 1961. 390 p.

(MIRA 14:7)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam
stroitel'stva.

(Pipe fitting)

FROLOV, L.V., inzh.; EPSHTEYN, S.M., inzh.; POLCHEKAYEV, V.A., inzh.

Mesh-reinforced vault sections. Transp. stroi. 11 no.10:29-32
0 '61. (MIRA 14:10)
(Escalators) (Tunnels) (Reinforced concrete construction)

BUDANOV, G.V., inzh., otv. za vypusk; KACHURIN, Ye.D., red.; MEN'SHIKOV, I.M., red.; FISHKOV, Ya.L., red.; EPSITEYN, S.M., red.; PINEGIN, I.I., red. izd-va; ISLENT'YEVA, P.G., tekhn. red.

[Collection No.25 of standardized regional unit rates for refractory bricklaying for industrial furnaces and stacks. Price-list of average, regional estimate prices for refractory materials and products. Approved and put into effect as of Januar 1, 1962] Sbornik No.25 edinykh raionnykh edinichnykh rastsenok na ogneupornuiu kladku promyshlennykh pechey i trub. Tsennik srednikh raionnykh smetnykh tsen na ogneupornye materialy i izdeliia. Utverzhdjen... i vveden v deistvie s 1 Ianvaria 1962 g. Moskva, Metallurgizdat, 1962. 287 p. (MIRA 15:12)

1. Russia (1923- U.S.S.R.)Gosudarstvennyy komitet po delam stroitel'stva. (Bricklaying—Prices)
(Refractory materials—Prices)

EPSTEYN, S.M.
CA

1/1

Histochemistry of embryonic differentiation. Color method of detection of alkaline phosphatase. V. A. Dorfman and S. M. Neustadt (Inst. Kaptl. Biol., Acad. Med. Sci. U.S.S.R.). Doklady Akad. Nauk S.S.R. 72, 977-8 (1950).—The Gomori method (C.A. 34, 442*) is modified, in that Cu salts are replaced by Fe salts; the method was successfully tested in various tissue specimens. The specimens are incubated as in Gomori method and both the test and the control specimens are rinsed in 0.8% $\text{Ca}(\text{NO}_3)_2$, and treated 8 min. with 2% FeSO_4 , washed with H_2O , treated with K ferricyanide (2%) acidified with equal vol. 0.1 *N* HCl, rinsed in H_2O and fixed in balsam. The phosphatase-contg. structures acquire a distinct blue color. A blue background in the control can be removed by staining with 0.1% eosin.
G. M. Kosolapoff

EPSHTEYN, S.M.
CA

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Histochemistry of embryonic differentiation. Gradient of activity of alkaline phosphatase in connection with nerve tube differentiation. V. A. Dorfman and N. M. Krapelin. (Inst. Zool., Biol. Acad. Med. S.S.R., U.S.S.R.). Biokhimiya Nech. Akad. S.S.R. 73, 1197-9 (1961); cf. C.A. 46, 2073b.—Histochem. examin. of developing specimens of *Triton taeniatus* embryos showed high level of alk. phosphatase at the moment of emergence from the egg, with localization in neuroblast nuclei of ventral half of the nerve tube, and lesser activity going to the dorsal half. As the specimen grew, the enzyme activity showed a shift to the dorsal half. G. M. K.

EPSHTEYN, S.N., kand.ist. nauk, otd. red.

[Some trends in present-day technological progress] Ne-
kotorye napravleniya sovremennoogo tekhnicheskogo progressa.
Moskva, 1962. 37 p. (MIRA 18:9)

1. Moscow. Inzhenerno-fizicheskiy institut.

OSIPOV, V.I., inzh.; EPSHTEYN, S.P., inzh.

Experimental field laboratory system for studying the visibility of pulsed lights. Svetotekhnika 10 no.3:25-26 Mr '64. (MIRA 17:3)

1. Vsesoyuznyy svetotekhnicheskiy institut.

EHSSTEIN, S.S., inzh.

Use of medium speed diesels on heavy tonnage ships [from "Marine Engineering and Naval Architect," no. 9, 1961]. Sudostroenie 28 no.9:71 S '62.
(MIRA 15:10)
(Marine diesel engines)